FIG - 1

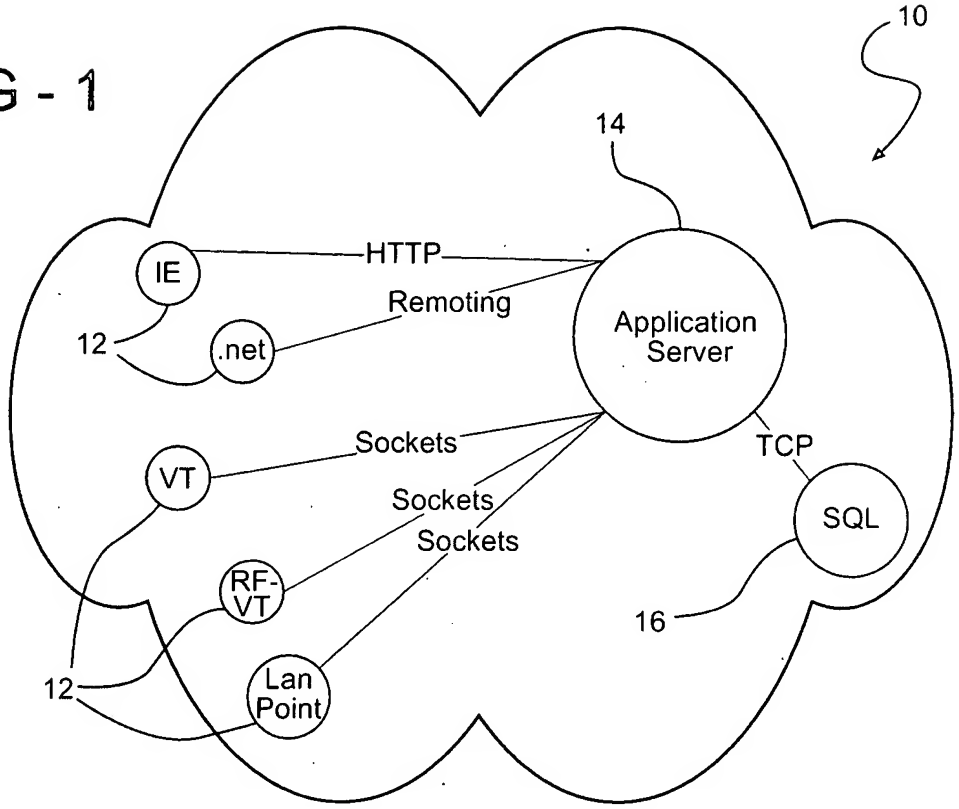

10
14
IE
HTTP
Remoting
12
.net
Application Server
Sockets
TCP
VT
Sockets
SQL
Sockets
RF-VT
16
12
Lan Point

FIG - 2

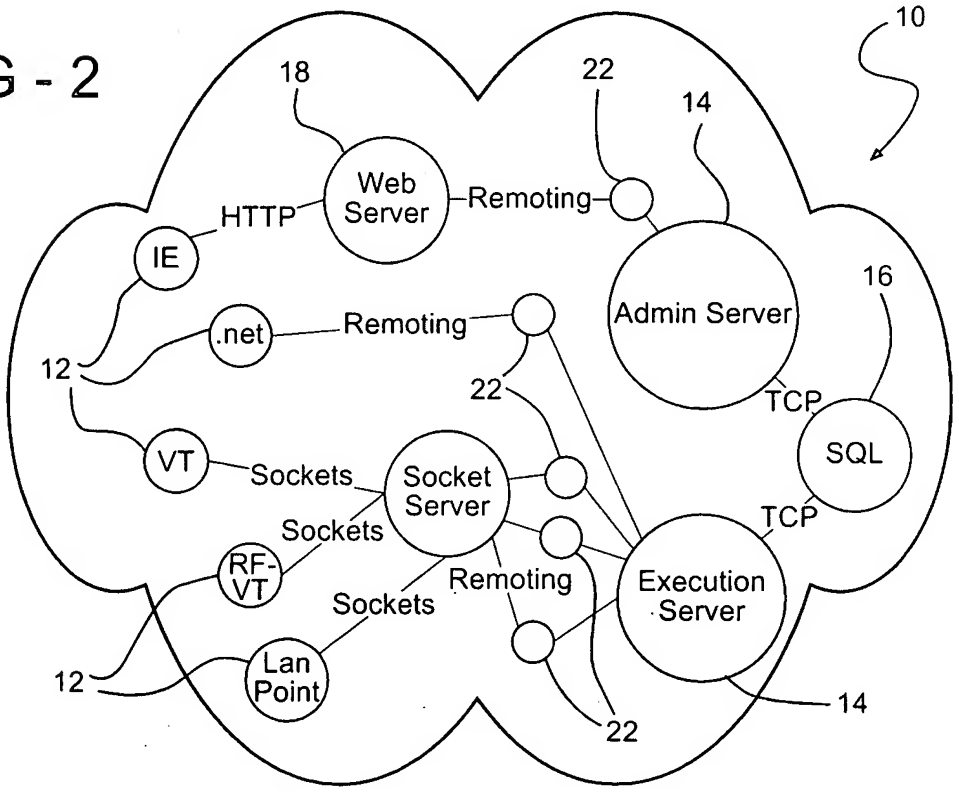
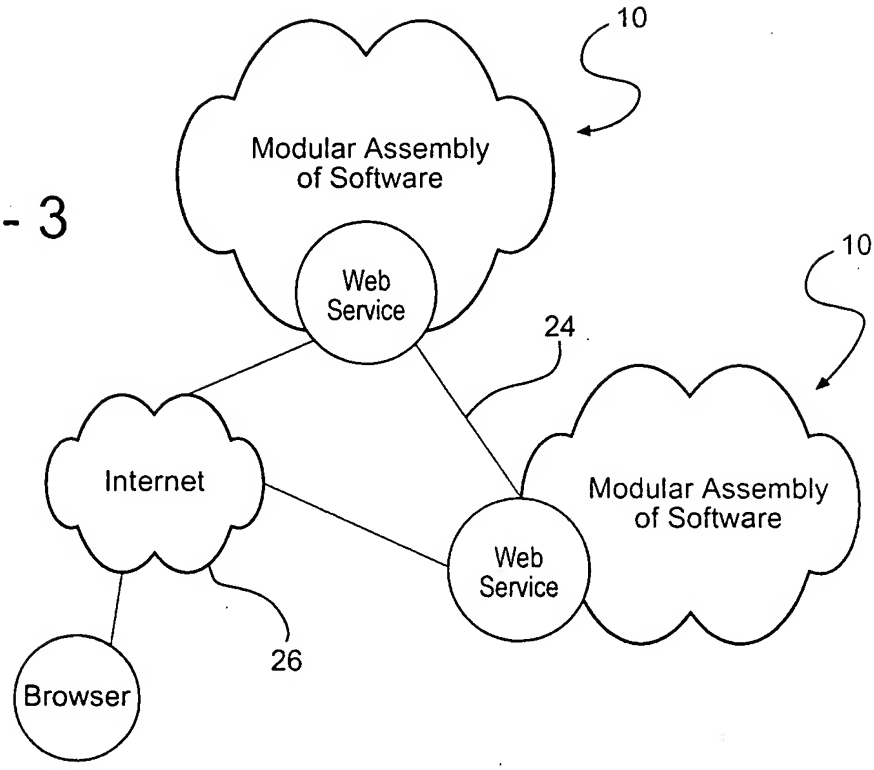

10
18
22
14
Web Server
Remoting
HTTP
IE
Admin Server
16
.net
Remoting
12
22
TCP
VT
Sockets
Socket Server
SQL
TCP
Sockets
RF-VT
Remoting
Execution Server
Sockets
12
Lan Point
14
22

FIG - 3


10
Modular Assembly of Software
Web Service
24
10
Internet
Modular Assembly of Software
Web Service
26
Browser

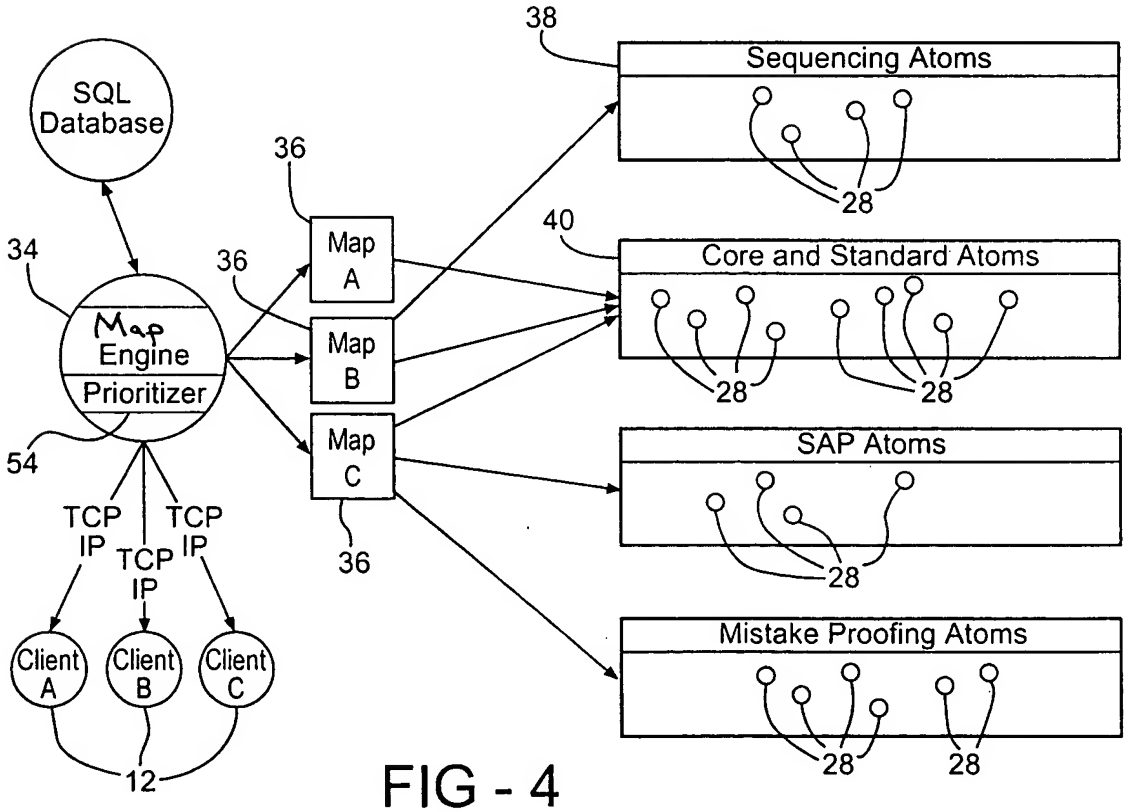

38
Sequencing Atoms
28
SQL Database
36
Map A
40
Core and Standard Atoms
34
36
Map Engine
Prioritizer
Map B
28
28
Map C
SAP Atoms
54
TCP IP
TCP IP
TCP IP
36
28
Mistake Proofing Atoms
Client A
Client B
Client C
28
28
12

FIG - 4

FIG - 5

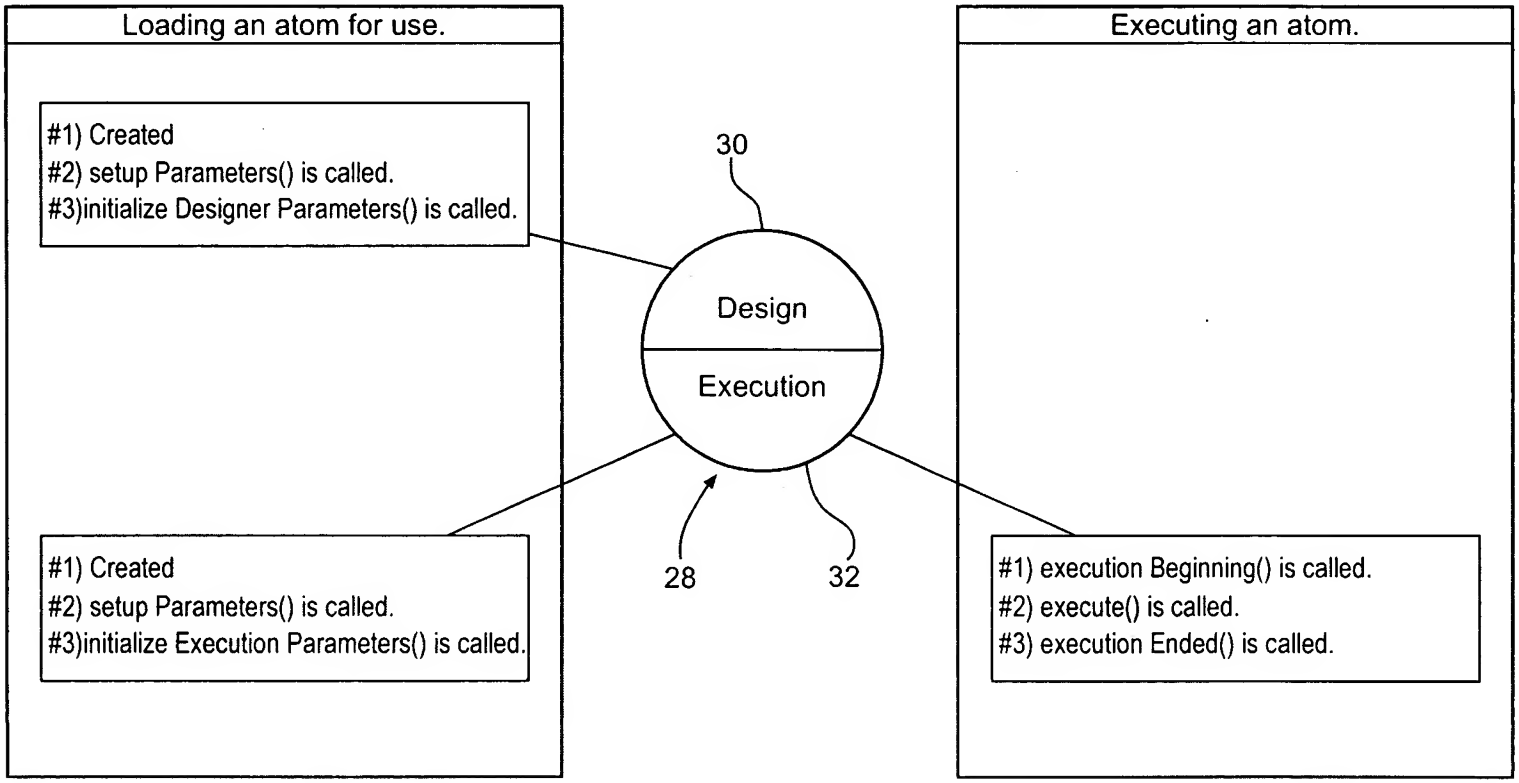

Loading an atom for use.
#1) Created
#2) setup Parameters() is called.
#3)initialize Designer Parameters() is called.
#1) Created
#2) setup Parameters() is called.
#3)initialize Execution Parameters() is called.
30
Design
Execution
28
32
Executing an atom.
#1) execution Beginning() is called.
#2) execute() is called.
#3) execution Ended() is called.

FIG - 6

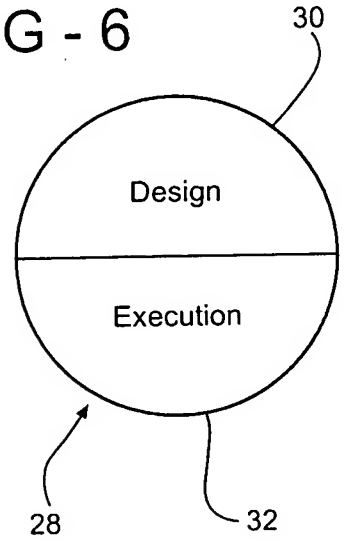
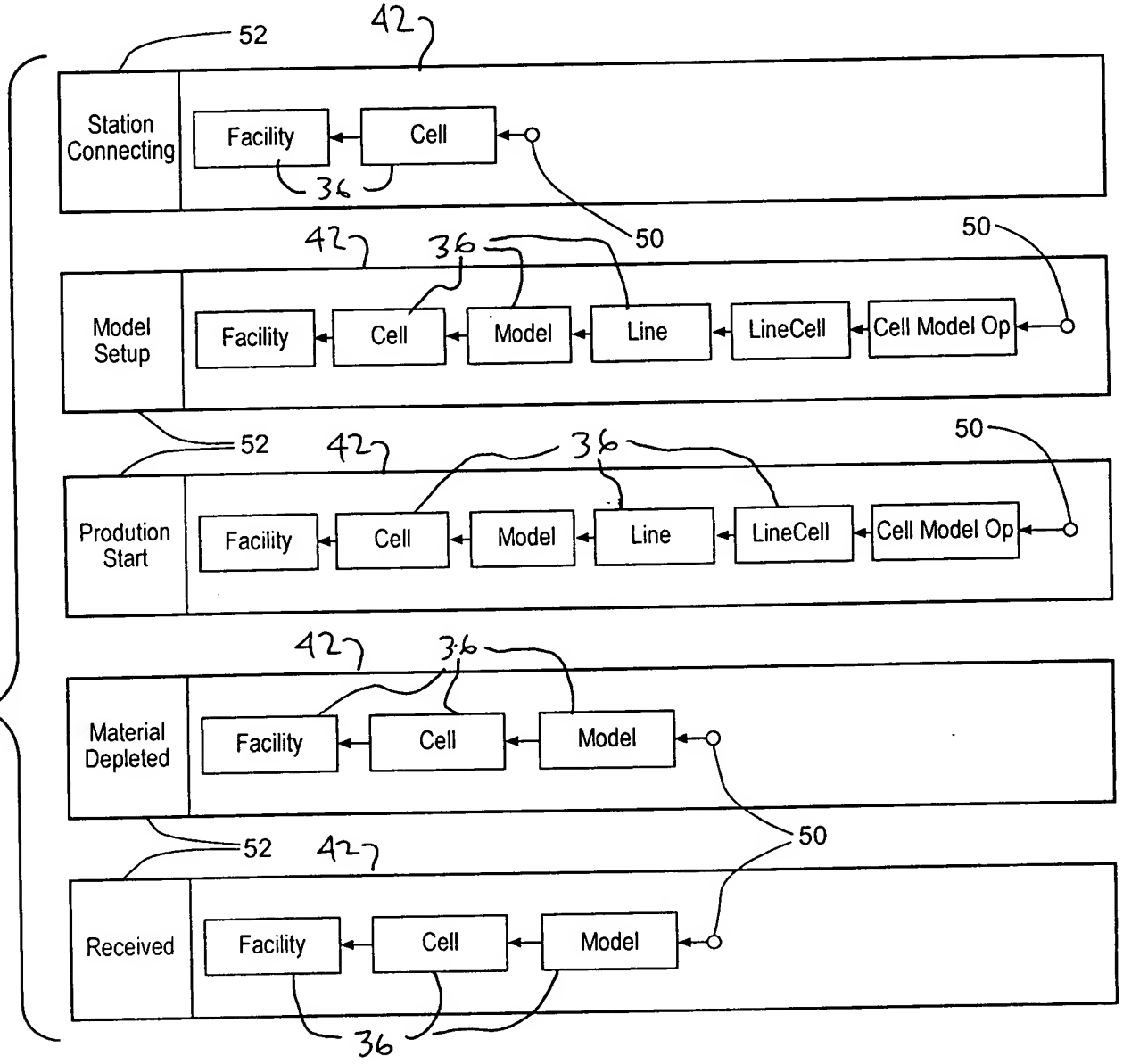

30
Design
Execution
28
32

FIG - 7


52
42
Station Connecting
Facility
Cell
36
50
42
36
50
Model Setup
Facility
Cell
Model
Line
LineCell
Cell Model Op
52
42
36
50
Prodution Start
Facility
Cell
Model
Line
LineCell
Cell Model Op
42
36
Material Depleted
Facility
Cell
Model
50
52
42
Received
Facility
Cell
Model
36

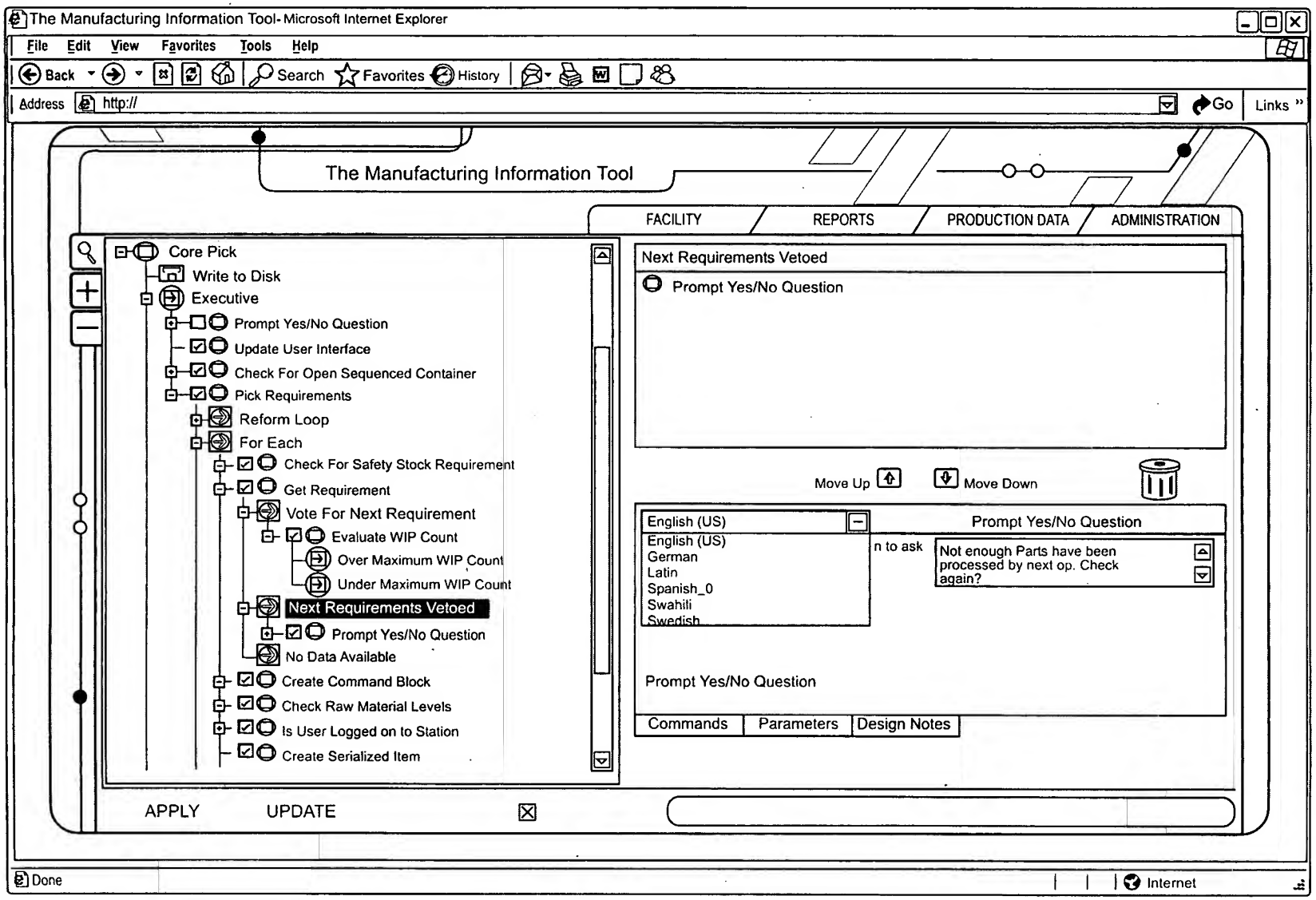

The Manufacturing Information Tool- Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites History
Address http://
Go Links
The Manufacturing Information Tool
FACILITY
REPORTS
PRODUCTION DATA
ADMINISTRATION
Core Pick
Write to Disk
Executive
Prompt Yes/No Question
Update User Interface
Check For Open Sequenced Container
Pick Requirements
Reform Loop
For Each
Check For Safety Stock Requirement
Get Requirement
Vote For Next Requirement
Evaluate WIP Count
Over Maximum WIP Count
Under Maximum WIP Count
Next Requirements Vetoed
Prompt Yes/No Question
No Data Available
Create Command Block
Check Raw Material Levels
Is User Logged on to Station
Create Serialized Item
Next Requirements Vetoed
Prompt Yes/No Question
Move Up
Move Down
English (US)
English (US)
German
Latin
Spanish_0
Swahili
Swedish
Prompt Yes/No Question
n to ask
Not enough Parts have been processed by next op. Check again?
Prompt Yes/No Question
Commands
Parameters
Design Notes
APPLY
UPDATE
Done
Internet

FIG - 8